IN THE SPECIFICATION

Please replace paragraph 19 beginning on page 5 and ending on page 6 with the following amended paragraph.

Circuit 110 includes a microcontroller 114 including a Pull-Down (PD) port 116 controlling a Pull-Down switch assembly 118 of circuit 110, and a Pull-Up (UP) port 120 controlling a Pull-Up switch assembly 122 of circuit 110. A Discrete High (DH) port 124 controls a Discrete High switch assembly 126, and a Discrete Low (DL) port 128 controls a Discrete Low switch assembly 130 of circuit 110. A positive 15 volt (P15V) port 132 controls a positive 15 volt switch assembly 134, and a negative 15 volt (N15V) port 136 controls a negative 15 volt switch assembly 138 of circuit 110. A range (RANGE) port 140 controls a range switch assembly 142, and a voltage out (VOUT) port 144 controls a voltage out switch assembly 146 of circuit 110. More specifically, each switch assembly 118, 122, 126, 130, 134, 138, 142, and 146 includes a switch 148, and each port 116, 120, 124, 128, 132, 136, 140 and 144 controls a respective switch 148. Circuit 110 also includes a four-channel eight-bit digital to analog converter (DAC) 150, and a comparator 152. An output 154 of comparator 152 is connected to a comparator port (CP) 156 of microcontroller 114. Microcontroller 114 also includes a Serial Peripheral Interface (SPI) <u>157 having</u>~~156 having~~ pins for data in (DIN) 158, serial clock (SCLCK) 160, and two chip selects (CS_) 162. As used herein, the term microcontroller is not limited to just those integrated circuits referred to in the art as microcontrollers, but broadly refers to microcontrollers, processors, computers, microcomputers, application specific integrated circuits, and other programmable circuits.